

The invention discloses a contact arrangement which has a connection terminal and a connection piece. Permanent magnets are arranged in the connection terminal or in the connection piece, and electromagnets are arranged in the connection piece or in the connection terminal. In each case one contact piece is introduced in the connection terminal and in the connection piece and these contact pieces are in electrically conductive contact with one another in the event of a magnetic attracting force between the connection terminal and the connection piece. The electromagnets are electrically conductively connected to a control device. The permanent magnets and the cores of the electromagnets are matched to one another in such a manner that either a magnetic attracting force or a magnetic repelling force exists between the connection terminal and the connection piece without a current being applied to the electromagnet. If a current is now applied to the electromagnets, the magnetic force effect produced by the permanent magnets is inverted. In this manner it is possible for the control device, when identifying an emergency situation, to interrupt the electrical contact between the connection terminal and the connection piece, i.e. between a battery and a vehicle electrical system, by current being applied to the electromagnets.